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LENINGRAD, ELEKTROSTAL' PLANTS CAST PARTS
FOR TSIMLYANSKAYA GES;
BUILD MODELS FOR OTHER INSTALLATIONS

COMPLETE CASTINGS FOR THIRD HYDROTURBINE -- Moscow, Izvestiya, 26 May 51

The Leningrad Nevskiy Plant imeni Lenin, which was given the task of turning out a group of 35 castings for each of four hydroturbines to be installed at the Tsimlyanskaya GES, has completed the first three of these groups and sent them ahead of schedule to the Leningrad Metal Plant imeni Stalin.

Leningradskaya Pravda, 10 Apr 51

Among the parts which the Leningrad Nevskiy Plant imeni Lenin cast for the Tsimlyanskaya GES hydroturbines are some 12-ton sectors for the guide-vane installations. These parts were sent to the Leningrad Metal Plant imeni Stalin.

Tallin, Sovetskaya Estoniya, 2 Mar 51

The parts which the Leningrad Nevskiy Plant imeni Lenin has cast for the Tsimlyanskaya GES hydroturbines are finished by welding.

FIRST BLADES ARE CAST -- Moscow, Moskovskaya Pravda, 6 Apr 51

The first two blades for a Tsimlyanskaya GES hydroturbine have just been cast at the Elektrostal' Novo-Kramatorskiy Plant. They will be tempered, cleaned, and sent in 10 days to the plant ordering them /presumably the Leningrad Metal Plant imeni Stalin; see above items/.

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NEW MODELS FEATURE HC'LOW RUNNER SHAFT -- Riga, Sovetskaya Estoniya, 1 Jul 51

The Riga Turbine Machinery Plant has completed its working models of the hydroturbines which will be installed at the Kuybyshev GES. Built according to designs of the All-Union Institute for Hydraulic Machine Building, the models are now on their way to the institute, where they will be studied.

The hollow runner shafts with which the machines are equipped represent an innovation in turbine building. The plant had to build a special gun-boring drill with which to hollow out the shaft, and special attachments had to be made for milling the blades.

COMPLETE PLANS FOR KAKHOVKA TURBINE -- Kiev, Pravda Ukrainy, 4 Apr 51

The Chair of Hydraulic Machinery of the Khar'kov Polytechnical Institute imeni Lenin, working under the direction of G. F. Proskura, member of the Academy of Sciences Ukrainian SSR, has drawn up plans for a turbine for the Kakhovka GES.

The Experimental Plant of the institute has completed the assembly of a model of the turbine, one-tenth actual size, to be used in research on the machine's performance.

SHIP PUMPS TO GES, CANAL SITES -- Moscow, Komsomol'skaya Pravda, 21 Mar 51

The Yerevan Small Hydroturbines Plant has shipped a number of centrifugal pumps to the site of the Stalingrad GES, and has taken orders for similar pumps from the Kuybyshev GES project, and the Main Turkmen and Volga-Don Canal projects.

Yerevan, Kommunist, 25 Apr 51

Recently, the Yerevan Small Hydroturbines Plant received an order from the builders of the Stalingrad GES for some 3K-9 pumps. During the first days of work on this order, 12-16 percent of the castings for the pumps were found to be defective; 40 percent of the castings for the pump rotors were defective. As a result of this poor showing, casting and molding methods in practice there were reviewed. Certain measures were taken which eliminated the high rate of rejects and, consequently, increased the productivity of the foundry. After the establishment of the new methods in the foundry, as many pumps were sent to the Stalingrad workers in one month as were scheduled for delivery during the first half of this year.

The plant is now starting to produce the heavier 4K-18 pump.

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